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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,642	01/21/2004	Fabio Casati	200310151-1	3326

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INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

RAYYAN, SUSAN F

ART UNIT	PAPER NUMBER
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2167

NOTIFICATION DATE	DELIVERY MODE
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03/05/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.		Applicant(s)	
	10761,642		CASATI ET AL.	
	Examiner		Art Unit	
	Susan F. Rayyan		2167	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 December 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. In view of the supplemental appeal filed on December 6, 2007,
PROSECUTION IS HEREBY REOPENED. New grounds of rejection are set forth
below.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by
signing below:


JOHN COTTINGHAM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

2. Claims 1-20 are pending.

35 USC § 101

3. Claims 1-8 are method claims.
4. Claims 12-20 are directed to a system comprising a computer system. The
computer system was described in the specification on paragraph [0013] as a laptop
computer, personal computer, and/or a stand-alone computer operated as a server.

Specification

5. The specification is objected to as failing to provide proper antecedent basis
for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o).
Correction of the following is required: Claims 8-11 recite "computer readable
medium".

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1-9, 11-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Publication Number 2003/0041044 A1 issued to Charles Joseph Monestere III (Monestere”) and US 2003/0115149 issued to Asit Dan et al (“Dan”).

As per independent claim 1 Monestere teaches:

selecting, by a user, at least one metric from an alternative representation of a database of existing data (paragraph 29, mirror database consists of the claimed alternate representation of existing data and paragraphs 35-36: Monesteres’ search criteria that can be used to identify the reports of possible interest to the user and includes serial number and time range equate to Applicants’ metrics);

invoking an interpreter to execute the search query and return data related to the search query (paragraph 36 and 37, lines 1-4: Monesteres’ **search module** uses the search

criteria of the search request to search the mirror database in the mirror database system and using the data subsets stored in the mirror database, the search module compiles a search result list equates to Applicants' **interpreter** as described in the specification at paragraph 10 as capable of processing queries to retrieve and store data to the set of data at paragraph 10 of specification); and displaying the data related to the search query (paragraph 37, lines 6-8).

Monestere does not explicitly teach selecting a mapping based on the at least one metric and invoking a mapping to create a search query. Dan does teach this limitation at paragraph 49-50, as parameters such as "service response time" are composed of metrics according to a function (mapping) which invokes scripts. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Monestere with selecting a mapping based on the at least one metric and invoking a mapping to create a search query to provide contract management and manage information infrastructure as described by Dan at paragraph 11.

As per claim 2, same as claim argument s above and Monestere teaches: wherein selecting further comprises selecting from the alternative representation of the database wherein the alternative representation is a reduced version of the existing data (paragraph 4, lines 9-11, paragraph 20, lines 1-13).

As per claim 3, same as claim arguments above and Monestere teaches:
wherein selecting further comprises selecting a metric (paragraph 35, lines 1-2: metric equates to search criteria).

As per claim 4, same as claim arguments above and Monestere teaches:
generating a request based on the existing data from the request based on the at least one metric prior to the invoking (paragraph 35);
and wherein the invoking further comprises invoking the interpreter using the request based on the at least one metric (paragraph 36).

As per claim 5, same as claim arguments above and Monestere teaches:
wherein selecting further comprises selecting the at least one metric from the alternative representation of the database of existing data to create a generic structured query language (SQL) request based on the at least one metric (paragraph 21, lines 6-9).

As per claim 6, same as claim arguments above and Monestere teaches:
wherein generating further comprises generating a specialized SQL request based on the existing data from the request based on the at least one metric (paragraph 21, lines 6-9).

As per claim 7, same as claim arguments above and Monestere teaches:
wherein the selecting further comprises selecting at least one metric from the alternative representation of the database of existing data, the alternative representation incorporated with the existing data in the database (paragraph 15).

As per independent claim 8 Monestere teaches:
maintaining existing data (paragraph 20, lines 1-5);
storing metrics related to the existing data (paragraph 20, lines 4-12: metrics equates to search criteria and paragraph 29, mirror database consists of the claimed alternate representation of existing data);
and providing access to the existing data by referencing the metrics (paragraph 36).

Monestere does not explicitly teach selecting a mapping based on the at least one metric and using the selected mapping, mapping the existing data to the metrics. Dan does teach this limitation at paragraph 49-50, as parameters such as "service response time" are composed of metrics according to a function (mapping) which invokes scripts . It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Monestere with selecting a mapping based on the at least one metric and using the selected mapping, mapping the existing data to the metrics to provide contract management and manage information infrastructure as described by Dan at paragraph 11.

As per claim 9, same as claim arguments above and Monestere teaches:
wherein mapping further comprises mapping the existing data to a set of predefined metrics (paragraphs 19-20).

As per claim 11, same as claim arguments above and Monestere teaches:
wherein the providing further comprises generating a specific query to the existing data using the metrics (paragraph 35).

As per independent claim 12 Monestere teaches:
a computer system having a central processing unit (CPU) (Figure 1);
a memory coupled to the CPU, the memory storing a reporting application executable by the CPU (Figure 1 and paragraph 15);
a database coupled to the computer system, the database storing a previously created data set (Figure 1 and paragraph 4);
wherein the database comprises an alternative representation of the previously created data and an interpreter that executes search queries generated... stored in the alternative representation (paragraph 28 mirror database, paragraph 36 (search module equates to interpreter and mapping equates to the search query and paragraph 37, lines 1-2).

Monestere does not explicitly teach search queries generated from mappings. Dan does teach this limitation at paragraph 49-50, as parameters such as "service response

time” are composed of metrics according to a function (mapping) which invokes scripts. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Monestere search queries generated from mappings to provide contract management and manage information infrastructure as described by Dan at paragraph 11.

As per claim 13, same as claim arguments above and Monestere teaches: wherein the database is part of the computer system (paragraph 13).

As per claim 14, same as claim arguments above and Monestere teaches: wherein the reporting program allows a user to select at least one metric from the alternative representation of the database to create a request based on the at least one metric (paragraph 35-36), and wherein an interpreter of the database modifies the request to pertain to the previously created data (paragraph 37, lines 1-9).

As per claim 15, same as claim arguments above and Monestere teaches: further comprising allowing the user to select a metric (paragraph 35, lines 1-2).

As per claim 16, same as claim arguments above and Monestere teaches: wherein the reporting program allows a user to select at least one metric from the alternative representation of the database to create structured query language (SQL) request based on the at least one metric, and wherein an interpreter of the database

replaces labels of the SQL request to pertain to the previously created data (paragraphs 21, 35-36).

As per claim 17, same as claim arguments above and Monestere teaches::
wherein the database comprises a reduced representation as the alternative representation (paragraph 4, lines 9-11).

As per independent claim 18 Monestere teaches:

a computer system having a means for executing program, a means for storing programs coupled to the means for executing, the means for storing a reporting application executable by the means for executing (Figure 1); a database coupled to the computer system, the database storing a previously created data set (paragraph 4, lines 9-11 and paragraph 37, lines 1-2:);
wherein the database comprises an alternative representation of the previously created data and an interpreter that executes search queries stored in the alternative representation (paragraph 36: mirror database, mappings equate to search query and interpreter equates to the search module).

Monestere does not explicitly teach search queries generated from mappings. Dan does teach this limitation at paragraph 49-50, as parameters such as "service response time" are composed of metrics according to a function (mapping) which invokes scripts. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Monestere search queries generated from mappings

to provide contract management and manage information infrastructure as described by Dan at paragraph 11.

As per claim 19, same as claim arguments above and Monestere teaches:
wherein the reporting program allows a user to select at least one metric from the alternative representation of the database to create a request based on the at least one metric, and wherein an interpreter of the database modifies the request to pertain to the previously created data (paragraphs 21, 35-36).

As per claim 20, same as claim arguments above and Monestere teaches:
further comprising allowing the user to select a metric (paragraph 35, lines 1-2).

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Publication Number 2003/0041044 A1 issued to Charles Joseph Monestere III (Monestere”) and US 2003/0115149 issued to Asit Dan et al (“Dan”) in view of US Patent Application Publication Number 2005/0256766 A1 issued to Johann S. Garcia et al (“Garcia”).

As per claim 10, same as claim arguments above and Monestere and Dan do not explicitly teach wherein mapping further comprises utilizing a general mapping table ...Garcia does teach utilizing a general mapping table ... (paragraph 72) to efficiently

map or translate incoming search terms at paragraph 72, lines 4-5. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Monestere and Dan with utilizing a general mapping table ... to efficiently map or translate incoming search terms as described by Garcia at paragraph 72, lines 4-5.

Contact Information


7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Rayyan whose telephone number is (571) 272-1675. The examiner can normally be reached M-F: 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Susan Rayyan

March 3, 2008


JOHN COTTINGHAM
SUPERVISORY PATENT EXAMINER
703-872-9306